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Subject: Lamprey FSP Comments
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Here are my comments on the lamprey FSP dated August 24, 2006.

Page 2, Section 2.0: We shouldn't limit the sampling to the select 20 areas. In some respects, we should be using the shocker technology to find out where lamprey are residing within the ISA, and this may not match up with pre-conceived sampling areas.

Level of effort at each station is not discussed, but it should be. There should be enough flexibility to move on to a new / neighboring station if lamprey are not found. However, there should be an appropriate level of effort such that the area was appropriately characterized. This should be decided prior to sampling, although it can be modified as we learn.

If lamprey are encountered, sampling should continue in that area such that the chances of collection of enough mass is optimized.

Table 2-1 and Sample Placement Methodology:

LWG3-LT001: If we are going to target a sampling location here, lets start right off Oregon Steel Mills. If we don't find them we can move downstream.

LWG3-LT006, Slip 1 Terminal 4: Since slip one will become a CDF, lets do a Wheeler Bay / Slip 3 sample. This could help understand baseline conditions here, as well as how attractive the habitat may be after the dredging (re-colonization).

LWG3-LT012, RR Bridge Sample: Either move (I also think the RR bridge area is important) or add another sample off ARKEMA. This area has an extensive mussel and clam populations, and therefore may also be attractive to other filter feeders such as ammocoetes.

Add some channel samples that correspond with depositional areas (if feasible to use the shocker here). For example, ammocoetes have been found in the channel across from Swan Island. It would be good to do a few to see the extent they are using the channel as habitat. The higher flow conditions may be attractive.

Add some upstream collection locations. I would recommend the upstream / ambient stations that were used for the sediment / bioassay collections for areas to target ammocoete collection.

Although the proposed lamprey station areas encompass them in some cases, there should be an effort to sample near larger outfalls (e.g. RR bridge outfall) and creeks coming into the Willamette (e.g. Salzman creek near Willbridge).

-Jennifer